



CITYTHON 2021

27 SEPT – 1 OCT



Challenge 3

NAME: Making Public Spaces Usable.

Short description:

Launch of applications of innovative connected and automated driving.

Detailed description of the problem

Population and production growth have resulted in a demand for higher capacities of urban transportation systems. Today, traffic is the number one occupier of public space in Hamburg. That has led to unsatisfactory conditions in regards to traffic flow and traffic jams. Making more public space usable again for the residents therefore calls for innovation and creative approaches. Develop a concept for making more public space usable by interlinking sustainable transportation systems. Bear in mind the urban residents' wants for cultural and social offers in public spaces.

2. What do we expect as the outcome of the solution?

A concept on how public space (currently occupied by e.g. car lanes, parking spaces) can be freed up and be made usable (i.e. more walking paths, more trees...) also with the aim to make people switch to sustainable modes of transport.

International and national cities are highly interested in innovative sustainable solutions for efficient mobility in their cities. At the same time, cities must rethink their approach to climate-neutral mobility and lifestyles. This is causing many cities and companies to rethink.

3. What is the scope for changes to the current systems? (software, hardware, etc.)

Teams are free to utilize any technologies of their choice

4. What data are participants allowed to use for the development of their solution?

Urban Data Platform of Hamburg (<http://www.en.urbandataplatform.hamburg/find-data-en/14296428/find-data-en/>) with highly dynamic real time data from infrastructure sensors e.g. traffic volume recording for cars, trucks, bicycle traffic, real time information about construction sites etc.

5. Evaluation process of the final solution

Teams will be evaluated based on a final presentation on the following outputs:

- Feasibility



- Cost efficiency
- Degree of innovation

